

Title (en)  
A moulding arrangement

Title (de)  
Formgebungsanordnung

Title (fr)  
Agencement de moulage

Publication  
**EP 2565010 A1 20130306 (EN)**

Application  
**EP 11180068 A 20110905**

Priority  
EP 11180068 A 20110905

Abstract (en)  
A moulding arrangement serves for at each stroke of an injection-moulding machine in which an injection mould (8,9) is mounted moulding articles (1), which is composed of components (2,3) made of different materials in cavities (10,11) formed in the injection mould (8,9) which in closed position comprises a number of cavities (10,11) corresponding each to the shape of one or more components (2,3) whereby identical cavities (10,11) are separated by angular distances and placed at equal distances from a central axis of the mould (8,9) and parts of the cavities (10,11) are formed in a separately movable section (14) of the movable mould half (8). The moulding arrangement comprises moreover an operation part (32) for displacing the section (14) to-and-fro between closed and open positions of the mould (8,9) and in open positions to turn the section (14) about said central axis angles corresponding to the angles between the cavities (10,11) to form whole cavities (10,11) in the mould (8,9) being in closed position. The moulding arrangement is capable of in each operation cycle producing articles composed of components made of each their material.

IPC 8 full level  
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CPC (source: EP US)  
**B29C 45/14467** (2013.01 - US); **B29C 45/1615** (2013.01 - EP US); **B29C 45/162** (2013.01 - EP US); **B29C 45/2681** (2013.01 - EP US); **B29C 45/38** (2013.01 - US); **B29C 45/401** (2013.01 - US); **B29C 45/2606** (2013.01 - EP US)

Citation (applicant)  
GB 1392074 A 19750423 - HEHL KARL

Citation (search report)  
• [XY] DE 4243293 A1 19940623 - ZAHORANSKY FORMENBAU GMBH [DE]  
• [Y] US 3702750 A 19721114 - VENERIA GIOVANNI BESSOLO  
• [Y] US 7670125 B2 20100302 - ARMBRUSTER RAINER [DE]  
• [A] US 4907548 A 19900313 - LEE SANGCHIN [DE]  
• [A] JP 2003025376 A 20030129 - LION CORP

Cited by  
CN109702966A; CN105818341A; AT514099A1; AT514099B1; EP2879854B1

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Designated extension state (EPC)  
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DOCDB simple family (application)  
**EP 11180068 A 20110905**; EP 12769612 A 20120905; EP 2012067342 W 20120905; US 201214342782 A 20120905